

first parallel hinge pin being supported by said front cover and an end of said hinge pin being supported by said projector main body; and

a hinge arm rectangularly connecting an other end of each of said first and second hinge pins; and

said front cover is rotated between a storage position that is approximately vertically disposed on said front side of said projector main body to cover said front side of said projection lens and an open position of contacting an upper portion of said projector main body to uncover said front side of said projection lens.

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--2. (Amended) The projector as set forth in claim 1, wherein said storage position of said front cover is formed in a recessed portion provided on said front side of said projector main body and said front cover is stored by being disposed in said recessed portion.

--3. (Amended) The projector as set forth in claim 1, wherein an inner side of said front cover is a control panel.

--4. (Amended) The projector as set forth in claim 3, wherein a surface of said control panel is inclined rearwardly upward when said front cover is rotated to said open position.

--5. (Amended) A projector, comprising:  
a box-shaped projector main body;

a projection lens exposed on a front side of said projector main body;

a front cover for covering and uncovering a front side of said projection lens; and

a pair of double hinge mechanisms for rotatably supporting both a left end portion and a right end portion of said front cover on said projector main body,

wherein: each of said double hinge mechanisms include:

first and second parallel hinge pins, an end of said first parallel hinge pin being supported by said front cover and an end of said second parallel hinge pin being supported by said projector main body; and

a pair of hinge arms each rectangularly connecting an other end of each of said first and second hinge pins;

said front cover is rotated between a storage position that is approximately vertically disposed on said front side of said projector main body to cover said front side of said projection lens and an open position of contacting an upper portion of said projector main body to uncover said front side of said projection lens; and

said projector further includes:  
locking means for locking and unlocking said front cover at said storage position;

first rotation energizing means for rotationally energizing said front cover towards said upper side relative to said hinge arms; and

second rotation energizing means for rotationally

energizing said front cover towards a rear upward side relative to said hinge arms,

said first and second rotation energizing means being disposed respectively at outer peripheries of said first and second hinge pins of one of said pair of double hinge mechanisms.

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--6. (Amended) The projector as set forth in claim 5, wherein said one of said pair of double hinge mechanisms includes:

a first rotation mode in which said front cover is rotated upward by approximately  $180^{\circ}$  with said first hinge pin as an axis of rotation by said first rotation energizing means when said front cover is unlocked at said storage position; and

a second rotation mode in which after said first rotation mode said front cover is rotated to a rear side by approximately  $90^{\circ}$  with said second hinge pin as said axis of rotation by said second rotation energizing means.

--7. (Amended) The projector as set forth in claim 5, wherein said one of said pair of double hinge mechanisms includes a pair of dampers having different rotational loads for performing said first rotation mode and said second rotation mode.

--8. (Amended) The projector as set forth in claim 5,

wherein said first and second rotation energizing means are each composed of a torsion coil spring.

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--9. (Amended) The projector as set forth in claim 5, wherein said storage position of said front cover is formed in a recessed portion provided at said front side of said projector main body; said front cover is stored by being vertically disposed in said recessed portion; a left-right pair of opposite surfaces in said recessed portion opposed to left and right end faces of said front cover are provided with a left-right pair of hook portions; said left and right end faces of said front cover are provided with engaging portions for engagement with said left-right pair of hook portions; and one of said left-right pair of hook portions is said locking means.

--10. (Amended) A projector, comprising:  
a box-shaped projector main body;  
a projection lens exposed on a front side of said projector main body;  
a front cover for covering and uncovering a front side of said projection lens; and  
a loudspeaker incorporated in said front cover and directed towards an upper portion of said projector main body when said front cover is moved from a storage position in which said front cover covers said front side of said projection lens to an open position in which said front cover

is moved to an upper portion of said projector main body to uncover said front side of said projection lens.

--11. (Amended) The projector as set forth in claim 10, wherein said loudspeaker is directed rearwards and upwards when said front cover is moved to said open position.

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--12. (Amended) The projector as set forth in claim 10, wherein a hinge mechanism is provided for rotating said front cover relative to said projector main body between said storage position and said open position; and said loudspeaker is disposed on an inner side of said front cover such that said loudspeaker is directed to said upper side or a rear upper side of said projector main body when said front cover is rotated from said storage position to said open position by said hinge mechanism and said inner side of said front cover is directed upwards or rearwardly upwards.

--13. (Amended) The projector as set forth in claim 12, wherein said hinge mechanism is provided with a hollow hinge pin and a wiring for connection between a circuit in said projector main body and said loudspeaker and a control panel substrate incorporated in said front cover is passed through said hollow hinge pin.--

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